

ASTM Bulletins—1940

Subject Index

Papers and Reports

Accelerated Testing

The Influence of Variations in Wood Grain Angle upon the Accelerated Weathering Testing of Exterior House Paints. W. W. Kittelberger. No. 107, December, 1940, p. 29.
Questionnaire on Accelerated Testing of Paint Coatings. Committee D-1 on Paint, Varnish, Lacquer, and Related Products. No. 107, December, 1940, p. 47.

Adhesion

Testing Elasticity and Hardness of House Paints (Abstract). W. H. Hoback. No. 102, January, 1940, p. 12.

Admixtures

Inert Materials for Admixture with Paint Pigments. Wayne R. Fuller. No. 105, August, 1940, p. 35.

Aeration

The Aeration Test for Comparison of Thinners (Abstract). D. D. Rubek. No. 102, January, 1940, p. 14.

Aggregates

Observations on the Strength of Certain Highway Aggregates. Fred G. Allison. No. 104, May, 1940, p. 19.

Alkyd Resins

Phthalic Anhydride Determinations in Alkyd Resins. John McE. Sanderson. No. 107, December, 1940, p. 15.

Alloys, Non-Ferrous

Service and Life of Non-Ferrous Tubes in Petroleum Refining. E. S. Dixon. No. 102, January, 1940, p. 21. Discussion, p. 25.

Ash

An Electric Furnace for the Determination of the Softening Temperature of Coal Ash. H. L. Brunjes. No. 103, March, 1940, p. 35.

Building Stone

Committee on Building Stones and Slate Reorganized. No. 106, October, 1940, p. 43.

Burning Quality

Improved Sight Gage for A.S.T.M. Tests for Burning Quality of Kerosine Oils. T. H. N. Waite and M. M. Rhodes. No. 102, January, 1940, p. 19.

Burst Test

Burst Test Data on Laminated Glass. W. R. Koch and E. J. Wyrostek. No. 103, March, 1940, p. 21. Discussion, p. 25.

Castings

The Use of Radiography in the Development of Castings for Mass Production. Don M. McCutcheon. No. 103, March, 1940, p. 13. Discussion, p. 16.

Cement

Cooperative Study of Quick Methods of Determining Silicon Dioxide, Calcium Oxide, and Magnesium Oxide in Portland Cement. W. C. Hanna, L. N. Bryant, T. A. Hicks. No. 103, March, 1940, p. 29.
How Many Specifications for Cement? Report of Special Subcommittee of Committee C-1 on Cement. No. 102, January, 1940, p. 39.
Long-Time Study of Cement Performance in Concrete. No. 107, December, 1940, p. 49.
Needed Improvements in the Cement Briquet Testing Apparatus. Paul Cloke and W. S. Evans. No. 104, May, 1940, p. 31. Discussion, No. 106, October, 1940, p. 47.

Provisional Methods for Testing Sulfur Cements. P. V. McKinney. No. 106, October, 1940, p. 27.

Chemical Analysis

A Study of Methods of Testing and Chemical Analysis of Metallic Driers. W. T. Pearce. No. 106, October, 1940, p. 15.

Coal

An Electric Furnace for the Determination of the Softening Temperature of Coal Ash. H. L. Brunjes. No. 103, March, 1940, p. 35.

Color

Symposium on Paint Testing—Abstracts of Technical Papers. No. 102, January, 1940, pp. 11 to 19.

Some Fundamental Requirements of Colorimeters and Reflectometers. Richard S. Hunter.

A Method of Representing Color. Francis Scofield.

A Sheen Meter. J. W. Ayers.
Testing Elasticity and Hardness of House Paints. W. H. Hoback.

The Hegman Fineness Gage. E. W. Fasig.
The Aeration Test for Comparison of Thinners. D. D. Rubek.

Detective Work on Metal Finishes. V. M. Darsey.

An Apparatus for Determining the Durability of Heat-Resisting Paints. G. W. Ashman and S. Werthan.

The Conical Mandrel for Measuring Elongation of Attached Films. H. G. Arlt.
Cook Box Test for Anti-Corrosion Paints. E. W. McMullen.

Development of a Consistency Test. R. H. Sawyer.

1940 Review of the Inter-Society Color Council. No. 103, March, 1940, p. 34.

Test Proposed for Color of Orange Shellac. Report Submitted by Subcommittee XIII on Shellac to Committee D-1. No. 105, August, 1940, p. 49.

Compression Testing

Automatic Speed Control for Tension and Compression Testing Machines. R. K. Bernhard. No. 106, October, 1940, p. 31.
Rubber in Compression. E. G. Kimmich. No. 106, October, 1940, p. 9.

A Spring Suspended Spherical Bearing Block for Compression Tests. L. J. Markwardt and R. F. Luxford. No. 105, August, 1940, p. 27.

Concrete

Advances in the Uses of Concrete in Transportation (Abstract). Miles D. Catton. No. 102, January, 1940, p. 7.

Long-Time Study of Cement Performance in Concrete. No. 107, December, 1940, p. 49.

Condenser Tubes

Service and Life of Non-Ferrous Tubes in Petroleum Refining. E. S. Dixon. No. 102, January, 1940, p. 21. Discussion, p. 25.

Consistency

Development of a Consistency Test (Abstract). R. H. Sawyer. No. 102, January, 1940, p. 18.

Corrosion

Activities of Coordinating Committee on Corrosion. No. 106, October, 1940, p. 44.
Cook Box Test for Anti-Corrosion Paints (Abstract). E. W. McMullen. No. 102, January, 1940, p. 17.

Proposed Reference Standards of Rusting of Painted Iron or Steel Surfaces. Subcommittee VII on Accelerated Tests for Protective Coatings, of Committee D-1. No. 107, December, 1940, p. 25.

Service and Life of Non-Ferrous Tubes in Petroleum Refining. E. S. Dixon. No. 102, January, 1940, p. 21. Discussion, p. 25.

Detergents

Soaps and Other Detergents. H. P. Trevithick. No. 107, December, 1940, p. 9.

Driers

A Study of Methods of Testing and Chemical Analysis of Metallic Driers. W. T. Pearce. No. 106, October, 1940, p. 15.

Effective Speaking

Let Us Consider Our Audience. S. Marion Tucker. No. 103, March, 1940, p. 27.

Fineness

The Hegman Fineness Gage (Abstract). E. W. Fasig. No. 102, January, 1940, p. 14.

Flow

Measurement of the Flow Temperature of Thermoplastic Molding Materials. L. W. A. Meyer. No. 105, August, 1940, p. 23.

Fuels

Trends in the Properties of Volatile Liquid Fuels (Abstract). D. P. Barnard and A. H. Fox. No. 102, January, 1940, p. 6.

Glass

Burst Test Data on Laminated Glass. W. R. Koch and E. J. Wyrostek. No. 103, March, 1940, p. 21. Discussion, p. 25.

Hardness Testing

Adaptor for Hardness Testing Machine. Robert H. Heyer. No. 104, May, 1940, p. 35.
Letter to the Editor on Brinell Hardness Testing. No. 106, October, 1940, p. 36.
Properties of Commercial Pearlitic Malleable Iron. C. H. Lorig. No. 105, August, 1940, p. 29. Discussion, p. 34.

Heat-Resisting Paints

An Apparatus for Determining the Durability of Heat-Resisting Paints (Abstract). G. W. Ashman and S. Werthan. No. 102, January, 1940, p. 17.

Hydrostatic Test

Hydrostatic Test Pressures for Pipe. Section on Hydrostatic Test Pressures of Subcommittee IX of Committee A-1. No. 104, May, 1940, p. 25.

Iron

Properties of Commercial Pearlitic Malleable Iron. C. H. Lorig. No. 105, August, 1940, p. 29. Discussion, p. 34.

Kerosine

Improved Sight Gage for A.S.T.M. Tests for Burning Quality of Kerosine Oils. T. H. N. Waite and M. M. Rhodes. No. 102, January, 1940, p. 19.

Laminated Glass

Burst Test Data on Laminated Glass. W. R. Koch and E. J. Wyrostek. No. 103, March, 1940, p. 21. Discussion, p. 25.

Lubricants

Developments in Lubrication (Abstract). J. P. Stewart, R. C. Moran, and O. M. Reiff. No. 102, January, 1940, p. 6.

Malleable Iron

Properties of Commercial Pearlitic Malleable Iron. C. H. Lorig. No. 105, August, 1940, p. 29. Discussion, p. 34.

Mechanical Packing

Standardization in the Field of Mechanical Packing. F. C. Thorn. No. 104, May, 1940, p. 17.

National Affairs

A.S.T.M. and the National Defense Program. No. 107, December, 1940, p. 7.
Intensive Activity in Work on Copper and Copper Alloys, Cast and Wrought. No. 107, December, 1940, p. 45.
Materials Standards in National Preparedness. Lieut. Col. William C. Young. No. 105, August, 1940, p. 17.

Oil

Availability of Oil Standards for Viscosimeter Calibration. No. 105, August, 1940, p. 51.
The Determination of the Thermo-Viscosity of Light Distillates. Lyman R. Brown. No. 107, December, 1940, p. 23.

Oil-Refinery Tubes

Service and Life of Non-Ferrous Tubes in Petroleum Refining. E. S. Dixon. No. 102, January, 1940, p. 21. Discussion, p. 25.

Packing

Standardization in the Field of Mechanical Packing. F. C. Thorn. No. 104, May, 1940, p. 17.

Paint

Inert Materials for Admixture with Paint Pigments. Wayne R. Fuller. No. 105, August, 1940, p. 35.
The Influence of Variations in Wood Grain Angle upon the Accelerated Weathering Testing of Exterior House Paints. W. W. Kittelberger. No. 107, December, 1940, p. 29.
Phthalic Anhydride Determinations in Alkyd Resins. John McE. Sanderson. No. 107, December, 1940, p. 15.
Proposed Reference Standards of Rusting of Painted Iron or Steel Surfaces. Subcommittee VII on Accelerated Tests for Protective Coatings, of Committee D-1 on Paint, Varnish, Lacquer, and Related Products. No. 107, December, 1940, p. 25.
Questionnaire on Accelerated Testing of Paint Coatings. Committee D-1 on Paint, Varnish, Lacquer, and Related Products. No. 107, December, 1940, p. 47.
A Study of Methods of Testing and Chemical Analysis of Metallic Driers. W. T. Pearce. No. 106, October, 1940, p. 15.
Symposium on Paint Testing—Abstracts of Technical Papers. No. 102, January, 1940, pp. 11 to 19.
Some Fundamental Requirements of Colorimeters and Reflectometers. Richard S. Hunter.
A Method of Representing Color. Francis Scofield.
A Sheen Meter. J. W. Ayers.
Testing Elasticity and Hardness of House Paints. W. H. Hoback.
The Hegman Fineness Gage. E. W. Fasig.
The Aeration Test for Comparison of Thinners. D. D. Rubek.
Detective Work on Metal Finishes. V. M. Darsey.
An Apparatus for Determining the Durability of Heat-Resisting Paints. G. W. Ashman and S. Werthan.
The Conical Mandrel for Measuring Elongation of Attached Films. H. G. Arlt.
Cook Box Test for Anti-Corrosion Paints. E. W. McMullen.
Development of a Consistency Test. R. H. Sawyer.

Particle Size

Measurement of Average Particle Size by Sedimentation and Other Physical Means. Pierce M. Travis. No. 102, January, 1940, p. 29. Discussion, No. 105, August, 1940, p. 38.

Petroleum Refining

Service and Life of Non-Ferrous Tubes in Petroleum Refining. E. S. Dixon. No. 102, January, 1940, p. 21. Discussion, p. 25.

Pigments

Inert Materials for Admixture with Paint Pigments. Wayne R. Fuller. No. 105, August, 1940, p. 35.

Pipe

Hydrostatic Test Pressures for Pipe. Section on Hydrostatic Test Pressures of Subcommittee IX of Committee A-1. No. 104, May, 1940, p. 25.

Plastics

Burst Test Data on Laminated Glass. W. R. Koch and E. J. Wyrostek. No. 103, March, 1940, p. 21. Discussion, p. 25.
Measurement of the Flow Temperature of Thermoplastic Molding Materials. L. W. A. Meyer. No. 105, August, 1940, p. 23.
Symposium on Plastics:
Recent Advance in the Field of Laminated Plastics. E. R. Perry. No. 104, May, 1940, p. 11.
Plastics for the Engineer. R. L. Wake-man. No. 104, May, 1940, p. 13.
Comparative Properties of Moldable Plastics. Gordon Brown. No. 104, May 1940, p. 15.

Presentation of Data

Let Us Consider Our Audience. S. Marion Tucker. No. 103, March, 1940, p. 27.

Radiography

Correlated Abstract of the Literature for 1938 on the X-ray Testing of Materials. Subcommittee IV of Committee E-7. No. 102, January, 1940, p. 26.
The Technique of Inspecting Wood Poles by X-ray. Myron Zucker. No. 106, October, 1940, p. 19. Discussion, p. 25.
The Use of Radiography in the Development of Castings for Mass Production. Don M. McCutcheon. No. 103, March, 1940, p. 13. Discussion, p. 16.

Reprinting Charges

Charges for Right to Reprint A.S.T.M. Standards Adopted as New Policy. No. 104, May, 1940, p. 38.

Research

Review of Major A.S.T.M. Research Activities. No. 106, October, 1940, p. 52.

Resins

Phthalic Anhydride Determinations in Alkyd Resins. John McE. Sanderson. No. 107, December, 1940, p. 15.

Rubber

Rubber in Compression. E. G. Kimmich. No. 106, October, 1940, p. 9.
Rubber of Tomorrow (Abstract). S. M. Cadwell. No. 102, January, 1940, p. 6.

Rusting Standards

Proposed Reference Standards of Rusting of Painted Iron or Steel Surfaces. Subcommittee VII on Accelerated Tests for Protective Coatings, of Committee D-1. No. 107, December, 1940, p. 25.

Sand

Observations on the Strength of Certain Highway Aggregates. Fred G. Allison. No. 104, May, 1940, p. 19.

Sedimentation

Measurement of Average Particle Size by Sedimentation and Other Physical Means. Pierce M. Travis. No. 102, January, 1940,

p. 29. Discussion, No. 105, August, 1940, p. 38.

Sheen

A Sheen Meter (Abstract). J. W. Ayers. No. 102, January, 1940, p. 12.

Shellac

Test Proposed for Color of Orange Shellac. Report Submitted by Subcommittee XIII on Shellac to Committee D-1. No. 105, August, 1940, p. 49.

Shipbuilding

Specifications in Shipbuilding. Paul Ffield. No. 103, March, 1940, p. 25.

Sight Gage

Improved Sight Gage for A.S.T.M. Tests for Burning Quality of Kerosine Oils. T. H. N. Waite and M. M. Rhodes. No. 102, January, 1940, p. 19.

Slate

Committee on Building Stones and Slate Reorganized. No. 106, October, 1940, p. 43.

Soaps

Soaps and Other Detergents. H. P. Trevi-thick. No. 107, December, 1940, p. 9.

Softening Temperature

An Electric Furnace for the Determination of the Softening Temperature of Coal Ash. H. L. Brunjes. No. 103, March, 1940, p. 35.

Spectrographic Analysis

Quantitative Spectrographic Analysis of Steels. S. Vigo. No. 107, December, 1940, p. 17. Discussion, p. 22.

Speed Control

Automatic Speed Control for Tension and Compression Testing Machines. R. K. Bernhard. No. 106, October, 1940, p. 31.

Standardization

Committee on Standards Approves Several Revisions as of November 5. No. 107, December, 1940, p. 35.
Company Uses 140 A.S.T.M. Specifications. No. 107, December, 1940, p. 53.
Materials Standards in National Preparedness. Lieut. Col. William C. Young. No. 105, August, 1940, p. 17.
New and Revised Tentative Standards Approved. No. 105, August, 1940, p. 44.
New Tentative Standards and Revisions Approved. No. 106, October, 1940, p. 5.
Philadelphia Meeting on Specifications. No. 107, December, 1940, p. 39.
Specifications in Shipbuilding. Paul Ffield. No. 103, March, 1940, p. 25.
Outline of Standardization Procedure of the American Society for Testing Materials. No. 106, October, 1940, p. 45.

Steel

Quantitative Spectrographic Analysis of Steels. S. Vigo. No. 107, December, 1940, p. 17. Discussion, p. 22.

Subsieve Sizes

Measurement of Average Particle Size by Sedimentation and Other Physical Means. Pierce M. Travis. No. 102, January, 1940, p. 29. Discussion, No. 105, August, 1940, p. 38.

Sulfur Cements

Provisional Methods for Testing Sulfur Cements. P. V. McKinney. No. 106, October, 1940, p. 27.

Synthetic Resins

Phthalic Anhydride Determinations in Alkyd Resins. John McE. Sanderson. No. 107, December, 1940, p. 15.

Tension Testing

Automatic Speed Control for Tension and Compression Testing Machines. R. K. Bernhard. No. 106, October, 1940, p. 31.
Properties of Commercial Pearlitic Malleable Iron. C. H. Lorig. No. 105, August, 1940, p. 29. Discussion, p. 34.
Symposium on Significance of the Tension Test of Metals in Relation to Design—Foreword. John M. Lessells. No. 103, March, 1940, p. 17.

Testing Apparatus

Adaptor for Hardness Testing Machine. Robert H. Heyer. No. 104, May, 1940, p. 35.
Automatic Speed Control for Tension and Compression Testing Machines. R. K. Bernhard. No. 106, October, 1940, p. 31.
A Simple Flexure-Testing Machine for Plastics. C. H. Brother, W. C. Suttle, and L. L. McKinney. No. 107, December, 1940, p. 00.
A Spring Suspended Spherical Bearing Block for Compression Tests. L. J. Markwardt and R. F. Luxford. No. 105, August, 1940, p. 27.

Test Specimen

Needed Improvements in the Cement Briquet Testing Apparatus. Paul Cloke and W. S. Evans. No. 104, May, 1940, p. 31. Discussion, No. 106, October, 1940, p. 35.

Thermoplastics

Measurement of the Flow Temperature of

Thermoplastic Molding Materials. L. W. A. Meyer. No. 105, August, 1940, p. 23.

Thermo-Viscosity

The Determination of the Thermo-Viscosity of Light Distillates. Lyman R. Brown. No. 107, December, 1940, p. 23.

Transportation

Symposium on New Materials in Transportation—Abstracts of Technical Papers. No. 102, January, 1940, pp. 5 to 7.
Trends in the Properties of Volatile Liquid Fuels. D. P. Barnard and A. H. Fox.
Developments in Lubrication. J. P. Stewart, R. C. Moran, and O. M. Reiff.
Exhaust Valve Materials for Internal Combustion Engines. S. D. Heron, O. E. Harder, and M. R. Nestor.
Developments in Alloy Steel. E. W. Upham, W. H. Graves, A. L. Boegehold, and F. E. McCleary.
Rubber of Tomorrow. S. M. Cadwell.
Advances in the Uses of Concrete in Transportation. Miles D. Catton.

Tubes

Service and Life of Non-Ferrous Tubes in Petroleum Refining. E. S. Dixon. No. 102, January, 1940, p. 21. Discussion, p. 25.

Valve Materials

Exhaust Valve Materials for Internal Combustion Engines (Abstract). S. D. Heron, O. E. Harder, and M. R. Nestor. No. 102, January, 1940, p. 6.

Viscosity

Availability of Oil Standards for Viscosimeter Calibration. No. 105, August, 1940, p. 51.
The Determination of the Thermo-Viscosity of Light Distillates. Lyman R. Brown. No. 107, December, 1940, p. 23.

Weathering

The Influence of Variations in Wood Grain Angle upon the Accelerated Weathering Testing of Exterior House Paints. W. W. Kittelberger. No. 107, December, 1940, p. 29.

Welding

Arc Welding Electrode Specifications Approved. No. 104, May, 1940, p. 37.

Wood

The Influence of Variations in Wood Grain Angle upon the Accelerated Weathering Testing of Exterior House Paints. W. W. Kittelberger. No. 107, December, 1940, p. 29.
The Technique of Inspecting Wood Poles by X-ray. Myron Zucker. No. 106, October, 1940, p. 19. Discussion, p. 25.

X-ray

See Radiography.

Yield Strength

Letter to the Editor on Yield Strength. No. 106, October, 1940, p. 36.